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IN THE CLAIMS

- 1. (Cancelled)
- 2. (Cancelled)
- 3. (Cancelled)
- 4. (Cancelled)
- 5. (Cancelled)
- 6. (Cancelled)
- 7. (Cancelled)
- 8. (Cancelled)
- 9. (Cancelled)
- 10. (Cancelled)
- 11. (Currently Amended) A semiconductor processing chamber comprising:
- a <u>chamber body having a</u> wall, a bottom and a lid assembly defining a chamber volume:
 - a substrate support disposed within the chamber volume; and,
- a chamber liner disposed in the chamber volume and eircumseribing the substrate support, the chamber liner having a passage at least-partially disposed in the chamber liner, the passage having a base substantially covering the bottom of the chamber body, the base having a substantially annular passage formed therein and fluidly isolated from the chamber volume, and the base having an init and outlet adapted to flew circulate a fluid through the passage.

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- 12. (Original) The chamber of claim 11 wherein the chamber liner further comprises at least one of:
 - a first liner disposed proximate the lid assembly; or
 - a second liner disposed about the substrate support.
- 13. (Previously Presented) The chamber of claim 11 wherein the chamber liner is retained in the chamber by a clamp affixed to the chamber <u>body</u>.
- 14. (Original) The chamber of claim 11 wherein the chamber liner is comprised of a thermally conductive material.
- 15. (Original) The chamber of claim 11 wherein the chamber liner is comprised of a material selected from the group of aluminum, ceramic and stainless steel.
- 16. (Currently Amended) The apparatus of claim 12 wherein the second liner further comprises:
 - a base having the passage disposed within; and an inner wall connected to the base.
- 17. (Currently Amended) The apparatus of claim 46 11 wherein the second chamber liner further comprises:
- an outer wall connected to <u>an outer edge of</u> the base <u>and extending</u> <u>upwards against the wall of the chamber body</u>.
- 18. (Currently Amended) The apparatus of claim 46 11 wherein the second chamber liner further comprises:
- a first and second boss projecting from the base, the first boss comprising a hole in fluid communication with the passage at the inlet, and the second boss comprising a hole in fluid communication with the passage at the outlet.

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- 19. (Original) The apparatus of claim 16 wherein inner wall further comprises a magnet disposed in the inner wall.
- 20. (Original) The apparatus of claim 17 wherein the outer wall further comprises a pumping port.
- 21. (Currently Amended) The apparatus of claim 42 11 wherein the first chamber liner further comprises:

an inner wall connected to an inner edge of the base and extending upwards against the substrate support;

an outer wall connected to an outer edge of the base and extending upwards against the wall of the chamber body;

- a center member having the passage disposed within;
- a flange circumscribing the center member; and,
- a cylindrical wall projecting from the center member inside of the flange.
- 22. (Original) The apparatus of claim 21 further comprising:

a lid disposed opposite the cylindrical wall, the lid and the wall defining a plenum at least partially therebetween.

23. (Original) The apparatus of claim 22 wherein the center member further comprises:

a plurality of nozzles disposed in the center member providing fluid access to the plenum.

- 24. (Original) The apparatus of claim 22 further comprising:
- a gas feedthrough fluidly coupled to the plenum through a hole disposed in the lid.
- 25. (Cancell d)

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- 26. (Currently Amended) Apparatus for lining a semiconductor processing chamber comprising:
 - a lid having an inlet;
 - a liner disposed proximate the lid, the liner having:
 - a first portion having a base substantially covering a bottom of a chamber body and an outer wall disposed proximate a wall of the chamber body;
 - a second portion disposed proximate a lid of the chamber body and having a second portion wall extending downward along the wall of the chamber body to the outer wall of the first portion of the liner; and
 - a plurality of apertures formed at least partially therein in the second portion of the liner;
- a lid having an inlet, the lid disposed proximate the liner and defining a plenum at least partially therebetween defined between the lid and the second portion of the liner; and
- a nozzle disposed in at least one of apertures for flowing fluid from the plenum through the second portion of the liner.
- 27. (Original) The apparatus of claim 26, wherein the nozzle is comprised of quartz, silicon carbide, silicon, aluminum nitride, aluminum oxide or combinations thereof.
- 28. (Original) The apparatus of claim 26, wherein the liner further comprises: a channel having an inlet and an outlet disposed in the liner.
- 29. (Cancelled)
- 30. (Cancelled)
- 31. (Cancelled)

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- 32. (Cancelled)
- 33. (Cancelled)
- 34. (Cancelled)
- 35. (Cancelled)
- 36. (Cancelled)
- 37. (Previously Presented) The apparatus of claim 26, wherein the <u>a</u> second side of the liner is textured.
- 38. (Currently Amended) Apparatus for lining a process volume defined by sidewalls of a semiconductor processing chamber comprising:
- a liner adapted to be removably disposed in the process volume, the liner comprising:
 - an outer cylindrical wall configured to line the sidewalls of the chamber;
 - an inner cylindrical wall configured to line a substrate support disposed in the process volume of the chamber;
 - a bottom coupled between the outer cylindrical wall and the inner cylindrical wall; and
- a passage at least partially formed in the liner <u>and</u> isolated from the process volume, the passage being and adapted to flow a heat transfer medium therethrough.
- 39. (Cancelled)
- 40. (Currently Amended) The apparatus of claim 39 38, wherein the passage is formed at least partially in the cylindrical wall.

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- 41. (Cancelled)
- 42. (Currently Amended) The apparatus of claim 44 38, wherein the passage is formed at least partially in the bottom.
- 43. (Cancelled)
- 44. (Cancelled)
- 45. (Cancelled)
- 46. (Cancelled)
- 47. (Currently Amended) A semiconductor processing chamber comprising:

 a chamber body having a wall, a bottom and a lid assembly defining a chamber volume;
 - a substrate support disposed within the chamber volume; and,
- a chamber liner having at least a first portion having a base substantially covering the bottom of the chamber body and an outer wall disposed proximate the wall of the chamber body, the chamber liner having a passage fluidly isolated from the chamber volume at least partially formed in the chamber liner and adapted to circulate a heat transfer medium therethrough.
- 48. (Currently Amended) The chamber of claim 47, wherein the chamber liner further comprises:
- a second portion disposed proximate the lid assembly and having a second portion wall extending downward along the wall of the chamber body to the outer wall of the first portion of the liner and a cover closing one end of the second portion wall.

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- 49. (Currently Amended) The chamber of claim 48, wherein the cov r of the second portion of the chamber liner further comprises:
 - a plurality of apertures formed therethrough.
- 50. (Currently Amended) The chamber of claim 49 further comprising a plate disposed on the chamber liner and forming a plenum therewith, the plenum in fluid communication with the chamber volume through the apertures.
- 51. (Currently Amended) A semiconductor processing chamber comprising:
- a chamber body having a wall, a bottom and a lid assembly defining a chamber volume;
 - a substrate support disposed within the chamber volume; and,
- a chamber liner eircumscribing disposed against a vertical portion of the substrate support, the chamber liner having a passage fluidly isolated from the chamber volume at least partially formed in the chamber liner.
- 52. (Currently Amended) Apparatus for lining a chamber volume of a semiconductor processing chamber, comprising:
- a liner a cylindrical wall having an upper end closed by a top member, the cylindrical wall adapted to line a portion of the chamber volume;
 - a plurality of apertures formed at least partially therein in the top member.
- a passage at least partially formed in the liner top member and fluidly isolated from the chamber volume; and
 - a nozzle disposed in at least one of the apertures.
- 53. (Previously Presented) A semiconductor processing chamber comprising:
 - a wall, a bottom and a lid assembly defining a chamber volume;
 - a substrate support disposed within the chamber volume; and
- a chamber liner circumscribing the substrate support and adapted to be removably disposed in the chamber volume, the liner comprising:
 - an outer cylindrical wall configured to line the wall of the chamb r;

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an inner cylindrical wall configured to line the substrate support;

- a bottom connecting the outer cylindrical wall and the inner cylindrical wall; and
- a passage disposed between the liner and the chamber wall, the passage being fluidly isolated from the chamber volume and having an inlet and an outlet adapted to circulate a heat transfer medium therethrough.
- 54. (Previously Presented) The apparatus of claim 38, wherein the Inner wall further comprises a magnet disposed in the Inner wall.
- 55. (Previously Presented) The apparatus of claim 47, wherein the chamber liner further comprises an inner wall extending from the base inward of the outer wall.
- 56. (Previously Presented) The processing chamber of claim 55, wherein the inner wall further comprises a magnetidisposed therein.
- 57. (Previously Presented) The processing chamber of claim 51, wherein the chamber liner further comprises a magnet disposed therein.
- 58. (Previously Presented) The processing chamber of claim 53, wherein the inner cylindrical wall further comprises a magnet disposed therein.